

25X1
25 YEAR RE-REVIEWATTACHMENT E
RECOMMENDATIONS~~CONFIDENTIAL~~

1. The basic Revere unit meets the standard as requested by OTR in its specifications. It can be improved in Prototype II by using miniature tubes in both amplifiers. This will cut down on weight, primarily.
2. In using two independent recording and playback heads, spaced separately, an undesirable hum level was produced which interfered with listening quality. This can be avoided by removing the present standard head on the machine and substituting a cluster of both heads in a compact unit. EB/ASD has investigated the manufacture of cluster heads and has been successful in finding such a manufacturer.
3. Prototype II should have a Universal motor which would make it adaptable for use in any part of the world. EB/ASD has perfected this motor and can meet the demand of OTR for installing the motor on any future models.
4. Though LSD has recommended that ultra-high frequency sound be used to move the film strip from frame to frame, I feel it more practical for field use to use the metallic strips. By the use of ultra-high frequency sound, a discriminator has to be employed in the unit to pick up this sound. The voice as well as outside noises are capable of producing ultra-high frequency sound. If such a sound is picked up by the discriminator in operation, it will activate the film strip and disrupt the synchronization of the voice on the tape and the film strip being projected. The metallic strip, though perhaps more time consuming in making the master, is still a more positive approach with less likelihood of failure.

For headquarters use, in the language shop, a high-frequency sound machine would be of value but for field use I feel the metallic strips would prove more desirable.

5. Not many manufacturers are producing a film strip projector which incorporates all of our needs. It would be preferable to have a blower on the slide projector so that any frame on the film strip could, if necessary, be shown for a longer period of time. The extra weight and size would be negligible. Several companies are planning the development of such a machine and as soon as such is available we will incorporate it into the unit.

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6.

7. The above are recommendations which will make the machine adaptable to most needs. They do not include specific recommendations from other offices within the Agency which may require certain adaptations peculiar to their own needs or areas.

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2AB-581

ROUTING AND RECORD SHEET

INSTRUCTIONS: Officer designations should be used in the "TO" column. Under each comment a line should be drawn across sheet and each comment numbered to correspond with the number in the "TO" column. Each officer should initial (check mark insufficient) before further routing. This Routing and Record Sheet should be returned to Registry.

FROM:

NO.

DATE

Project Officer
Mobile Audio-Visual Device

TO	ROOM NO.	DATE		OFFICER'S INITIALS	COMMENTS
		REC'D	FWD'D		
1. D/TR				MB	
4. D/TR					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

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